

## MINIMUM CONTENTION DISTRIBUTED WAVELENGTH ASSIGNMENT IN OPTICAL TRANSPORT NETWORKS

### Abstract of the Disclosure

An optical transport network comprises a number of nodes, or routers, which  
5 are coupled together via optical fibers. When a physical link comes up between a  
node and a neighboring node, a handshake between the node and the neighboring  
node recognizes the link such that the node, and the neighboring node, include it in  
respective link assignment tables. In addition, the node and the neighboring node  
negotiate a predefined sequence for assigning link resources from their respective  
10 assignment tables for satisfying future connection requests.

Patent Application No. 15/121,112, filed on Dec. 15, 2016, in the U.S. Patent and Trademark Office, which is hereby incorporated by reference in its entirety.